ABSTRACT OF THE DISCLOSURE

Searching hypotheses for locations of objects in a playback image corresponding to a recorded image generated by a graphical user interface (GUI) of an application program may be accomplished by capturing the playback image, detecting at least one active object in the recorded image, searching subsets of hypotheses from the playback image for an object according to predetermined criteria, recalculating old actions for the object in the playback image by applying actions according to an execution scenario and loading a next set of data, when the object is found, and checking dynamic conditions.